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Technical data sheet

Paint runs through our veins.

Pullex Top-Lasur 4421

Solvent-based, drip-inhibited, **thin-layer wood varnish** for DIY and commercial use.

PRODUCT DESCRIPTION

General

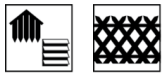
Excellent to apply, solvent-based, drip-resistant wood varnish for exterior use. Moisture-regulating, highly diffusible and very good penetration capacity into the wood substrate. A long open time allows for seamless painting. Special light stabilisers guarantee long-term weather protection. Environmentally friendly due to its high solids content. The product has a low odour due to aromatic-free white spirit as a solvent.

Special properties and standards

- The coating is protected against blue stain and mould by a biocidal active substance.

  Active substance:
  2.4 g/kg (0.24 %) 3-Iod-2-propinylbutylcarbamat

Application area



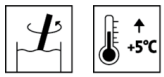
For non-dimensionally stable and limited dimensionally stable timber components for exterior use, such as e.g. wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates.

For new coatings and particularly for the renovation of exterior wood.

We recommend Pullex Bodenöl (4402) for terrace floors and landing stages.

PROCESSING

Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 5 °C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- For new timber components we recommend an all-over coating.
- Apply a thin coat to horizontal wooden parts to avoid flaking due to excessive layer thickness.
- Due to the system, glazes are only limitedly step-resistant and therefore require more frequent maintenance.
- Resin flow cannot be avoided by the coating.
- Water-soluble wood extracts can be leached particularly by driving rain. This can be minimized by an all-over coating and additional sealing of the end grains.
- Residual plaster (high level of alkalinity) or ferrous dust (rust formation) may lead to black discoloration on larch wood and other types of wood rich in extracts.

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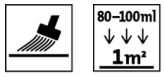
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.
- Please follow our **ARL 500 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements – General part.**
- Please follow our **ARL 505 - Working guideline for alkyd resin coatings/-glazes and oils.**

Application technique



	Brushing
Applied quantity per application (ml/m²)	80 - 100

The product is ready to use.

An additional 40 % material consumption is to be expected on rough sawn timber.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

For good thorough drying, the recommended application quantities must be adhered to. Excessive layer thicknesses lead to a considerable drying delay!

Drying times

(at 23 °C and 50 % rel. humidity)

Recoatable after	approx. 12 hour(s)

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

On types of woods rich in extracts (such as oak, iroko), drying may be delayed.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Cleaning the working equipment

With Adlerol-Terpentinölersatz (7231) immediately after use.

SUBSTRATE

Type of substrate

Softwoods and hardwoods as well as plywood materials, which are suitable for the exterior, such as, for example, solid wooden boards, glued laminated timber (GLT or Glulam) and solid structural timber (SST).

Substrate property

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, resin etc. and free from wood dust, as well as tested for suitability for coating.

A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.

Please observe the additional documents:

- ÖNORM B 2230-1
- ÖNORM B 3430-1
- DIN 18363
- BFS data sheet no. 18.

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Wood moisture	**Hardwoods:** 12 ± 2 % **Softwoods:** 15 ± 2 %
Substrate preparation	For optimal durability we recommend to sand smooth wooden surfaces with grain size 80 – 120 in the direction of the fibre, clean thoroughly and remove wood extractives such as, for example, resins and resin pockets. Round off any sharp edges. Clean resin-rich woods and exotic woods with drying retardants with Nitro-Verdünner 8017 (8017). Sand and/or leach intact old coating. Remove old coatings that cannot be recoated. Treat algae, green deposits or mould in outdoor areas with Aviva Fungisan (8308).

COATING SYSTEM

Impregnation	If necessary, impregnate outdoors once with Pullex Imprägnier-Grund (4436) (applies to timbers of durability class 3-5 according to EN 350) to protect against blue stain, fungal decay and insect infestation. Intermediate drying: approx. 12 hour(s) Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use. Please follow our **ARL 056 - Working guideline for the use of wood preservatives.**
Primer coat	1 x Pullex Top-Lasur (4421) Intermediate drying: approx. 12 hour(s)
Finishing coat	1 x Pullex Top-Lasur (4421)

MAINTENANCE

Care	The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour applied. To obtain long durability, regular inspection, maintenance and, if necessary, repair measures are necessary . If required, remove dust and dirt from the still intact areas and paint x using Pullex Top-Lasur (4421). On deep-pored hardwoods, e.g. Oak, Iroko, shorter maintenance intervals must be expected.
Maintenance	Please follow our **ARL 504 - Working guideline for coating non-dimensionally stable and limited dimensionally stable construction elements - Maintenance and Repair.**

ORDERING INFORMATION

Size of trading unit	Standard shades: 0,75 l; 2,5 l; 5 l; 20 l W30 4421000030: 0,75 l; 2,5 l; 4,5 l; 10 l
Colour shades / Glosslevels Color4You	**Standard colour(s):** Weide (4421050043) Eiche (4421050044) Lärche (4421050045) Kiefer (4421050046) Kastanie (4421050047) Sipo (4421050048) Nuss (4421050049) Palisander (4421050050)

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Afzelia (4421050051)
Wenge (4421050052)
Kalkweiß Basis W15 (50563)

Other colour shades can be obtained using the **ADLER colour mixing system Color4You.**

Base paint(s):
Pullex Top-Lasur Basis W30 (4421000030)

It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.

In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.

Two coats of paint must be applied to ensure good weather resistance.

Apply exclusively pigmented colour shades to ensure a good weather resistance.

Medium colour shades have the best weathering resistance; colours that are too light or too dark should be avoided if exposed to extreme weathering.

When brightening the standard colour shades with Pullex Top-Lasur colourless (4421), shorter renovation intervals must be expected (reduced UV protection). Therefore, Weide or Eiche should be used to brighten darker colour shades.

Please consume blended products within 3 months.

Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**

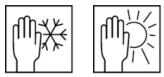
Supplementary products

Adlerol-Terpentinölersatz (7231)
Aviva Fungisan (8308)
Pullex Bodenöl (4402)
Pullex Imprägnier-Grund (4436)
Nitro-Verdünner 8017 (8017)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage



Min. 5 year(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

We recommend to transfer the contents of open containers to smaller ones in order to prevent gelling / skin formation.

Close opened containers well and use up the content as soon as possible.

Technical specifications

VOC content of the ready-to-use mixture: EU limit for Pullex Top-Lasur (Cat A/e): 400 g/l.
Pullex Top-Lasur contains maximum 400 g/l VOC.

Giscode

BSL10

Declaration of ingredients according to VdL-RL 01

alkyd resins / aliphatic compounds / inorganic white and coloured pigments / organic pigments / surface additve / glycol ether / interface additives / drying agents (siccatives) / light stabilisers / anti-skin agent / 3-Iod-2-propinylbutylcarbamat

Contains 3-iodo-2-propynyl butylcarbamate. May cause allergic reactions.

Information for allergy sufferers under telephone no. +43 5242 6922-713.

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Safety information

When using cloths that have been soaked with oxidative drying products, there is a risk of spontaneous combustion! Spread soaked cloths out and let them dry; it is necessary to store them in sealed metal containers or under water.

During sanding use P2 / P3 dust filter.

If the product comes into contact with your eyes, rinse immediately with water.

Keep out of the reach of children.

Ensure good ventilation during application and drying.

During work, do not eat, drink or smoke.

Repeated contact can lead to chapped or cracked skin.

Do not allow to enter drains, water courses or soil.

Only dispose of empty containers for recycling. Dried material leftovers can be disposed of as household waste. Dispose of liquid material residues at the recycling center or the mobile collection of harmful substances.

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at **www.adler-lacke.com.**

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